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SGS
ORIGINAL

June 24th, 2003

INSPECTION REPORT

Ref: 03/INEM/019

IN PURSUANCE OF AN ORDER RECEIVED FROM UNIPOS OOD, REQUESTING US TO CARRY OUT THE INSPECTION WITHIN THE SUBJECT AND SCOPE DESCRIBED AS FOLLOWS:

1. SUBJECT OF THE INSPECTION

Fire detectors type Optical Smoke Detector FD xx30, presented at "Plemed" EOOD Test Laboratory in Pleven/ Bulgaria.

2. SCOPE OF THE INSPECTION

As per our offer Ref. No 0621/24.04.2003 and confirmation from the client by LN message from 16.05.2003:

- Identification of Optical Smoke Detectors FD xx30, as described herein above, by visual inspection and presented technical documentation and data (manufacturer, type, serial numbers);
- Witness test of Optical Smoke Detectors FD xx30 for compliance with the requirements of BDS EN 54-7:2001 – Fire detection and fire alarm systems. Smoke Detectors – Point detectors using scattered light, transmitted light or ionization.

3. RESULTS OF THE INSPECTION

The test of Optical Smoke Detectors FD xx30 was performed from May 26th to May 30th, 2003 at "Plemed" EOOD Test Laboratory F/01.01.2003 in Pleven, No 114, "Grenaderska" Street, Bulgaria. The tests were performed by Mr. Stanoev, Mr. Chorbadzhiev, from Test Laboratory and Mrs. Evtimova, from UNIPOS OOD, observed by Mr. Ganov, representative of SGS Bulgaria Ltd. and approved by Mr. Petrov.

Optical Smoke Detectors, presented for inspection, were identified as type FD 3030 and type FD 6130L. The serial numbers of the goods are listed below:

Fire detector	Optical Smoke Detectors	
	FD 3030	FD 6130L
Type		
Serial Numbers	110403145	260203481
	110403146	260203482
	110403147	260203483
	110403148	260203484
	110403149	260203485
	110403150	260203486
	110403151	260203487
	110403152	260203488
	110403153	260203489
	110403154	260203490
	110403155	260203491
	110403156	260203492
	110403157	260203493
	110403158	260203494
	110403159	260203495
	110403160	260203496
	110403161	260203497
	110403162	260203498
	110403163	260203499
	110403164	260203500
Nominal Supply	10 to 30 V DC	15 to 30 V DC





SGS representative witnesses the test of Optical Smoke Detectors, with the under noted details, stated to be representative sample of production, for compliance with the requirements of standard BDS EN 54-7:2001 – Fire detection and fire alarm systems. Smoke Detectors – Point detectors using scattered light, transmitted light or ionization.

Visual inspection for compliance with drawings was performed.

The following apparatus were used during the test:

- Smoke Tunnel ST 2003, NO 03 17005, inventory No 27, certificate 008/13.05.2003;
- Frequencymeter Zahler G-2001=500, inventory No 2908, certificate No 13/2003;
- Anemometer – Thermometer Unitest, serial number HE 0122 TA, certificate No 440/2002;
- Multimeter MY 68, serial number 05071939, certificate No 160/01.10.2002;
- Thermometer Hg, serial number 41, certificate No 439/27.09.2002;
- Technical Appliance for side impact test TA 03-17003, inventory No 029, certificate 010/14.05.2003, as per EN 54-5;
- Regulated rectifier STATRON TYP 3205, inventory No 4478;
- Humidity chamber, NO 01-17001, inventory No 015, certificate No 006/13.05.2003;
- Cold chamber, NO 03-17006, inventory No 028, certificate No 005/13.05.2003;
- Alcohol Thermometer, inventory No 031, certificate No 169/05.03.2003;
- Slide Callipers INOX 0... 150mm, inventory No 013, certificate No 500/01.09.2002;
- Scales E 5500 S, serial number 36080001, certificate No 139/2001;
- Fire Control Pannel FS 6000, inventory No 115/2001 – used only for tests of Optical Smoke Detector FD 6130L.

The following parts of the standard were followed:

STANDARD	DESCRIPTION	PART
Test methods	FD xx30 00.00.00.00.MI	
BDS EN 54-5:2001	Fire detection and fire alarm systems	Part 7: Smoke Detectors – Point detectors using scattered light, transmitted light or ionization.
IEC 60068-2-1:1990 / A1:1993 / A2:1994	Environmental testing	Part 2: Tests – Tests Ab:Cold
IEC 60068-2-56:1988	Environmental testing	Test Cb
IEC 60068-2-3:1969	Environmental testing	Test Ca, Damp Heat
BDS EN 60529:2000	Degree of protection	

The protocols No 13/11.06.2003 and No 14/11.06.2003, representing the results of the test of Optic Smoke Detectors type FD 3030 and FD 6130L, have been endorsed by the above mentioned representatives of UNIPOS OOD, Test Laboratory and SGS Bulgaria Ltd. and become part of this report.

The results of the testing having been found satisfactory for the equipment, as stated above, insofar as tested at this time, complies with the requirements of EN 54-7:2001, clauses 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8, 5.9, 5.10, 6.1 and 14.

The findings of this Report are limited to the place and date of inspection.

SGS BULGARIA LTD.



Enclosure: Photo report 03/INEM/019/2-1
Protocol No 13/11.06.2003
Protocol No 14/11.06.2003

